US-PAT-NO:

6319600

DOCUMENT-IDENTIFIER:

US 6319600 B1

TITLE:

Fluoropolyether topcoat lubricants

DATE-ISSUED:

November 20, 2001

INVENTOR-INFORMATION:

Falcone; Samuel John

NAME Stirniman; Michael Joseph

STATE CITY CA

San Jose San Jose ZIP CODE N/A N N/A N

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ASSIGNEE INFORMATION:

CITY NAME

STATE ZIP CODE COUNTRY

N/A N/A CA

CA

APPL-NO:

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09/ 082967

Seagate Technology LLC Scotts Valley

DATE FILED:

May 22, 1998

PARENT-CASE:

RELATED APPLICATION

This application claims priority from provisional patent application Ser. No. 60/053,840 filed Jul. 25, 1997, entitled "FRACTIONATED NONFUNCTIONAL PERFLUOROPOLYETHERS FOR LUBRICATION OF LOW ROUGHNESS MEDIA AT LOW LUBRICANT THICKNESS" the entire disclosure of which is herein incorporated by reference.

INT-CL:

[07] B01D003/00,B32B027/00 ,G11B005/00

US-CL-ISSUED:

428/336, 428/421 , 428/422 , 428/694TF , 203/99

US-CL-CURRENT:

428/336, 203/99 , 428/421 , 428/422 , 428/694TF

FIELD-OF-SEARCH: 428/694TF; 428/921; 428/422; 428/336; 203/99

REF-CITED:

U.S. PATENT DOCUMENTS

PAT-NO ISSUE-DATE PATENTEE-NAME

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Ejle Edit Vew Tools Window Helps: 2001-622136 DERWENT-ACC-NO: DERWENT-WEEK: 200228 COPYRIGHT 1999 DERWENT INFORMATION LTD TITLE: Rewritable optical disk header section whose hei ----- KWIC -----15 2020044523A1 Basic Abstract Text - ABTX (1): (19) United States NOVELTY - The disk has a header section who (12) Patent Application Publication (10) Pub. No.: US 2002/0044523 A1 Apr. 18, 2002 of the land. Oshima et al. (43) Pub. Date: (54) OPTICAL RECORDING MEDIUM Publication Classification (51) Int. C1* ______ G11B 3/68 (52) U.S. C1 ______ 369/273 (76) Inventors: Nortaki Oshbus, Yokohama-shi (IP);
Hideki Oone, Yosezzwa-shi (IP);
Takashi Taniguchi, Sagambara-shi
(IP); Keitchiro Nishirawa,
Yokohama-shi (IP) Basic Abstract Text - ABTX (3): ADVANTAGE - Timing of signal is effectively ABSTRACT (57) and land because of their height differences. An optical recording medium comprising at lesss a land and a groove where information-recording/reproducing is carried out by a flying type optical band. The optical recording medium leseps the flying height of the flying optical head constant in the entire region of the recording/reproducing area, and is provided with at least one obserced that the flying height satisfies the following characteristics: IP which it dependent on land and groove parameters and the flying height satisfies the relation of 1-bRy 0.1H; centralines met recipiesses for it to the range of 0.2 cm Ra 2.0 cm, and the layer thickness of a liquid lubricant layer satisfies the relation of 7 Ra; the relation of the fly satisfies the relation of the satisfies where the relation of the relation of the provided of the satisfies where all parameters in the formula are defined in the specification; and the height of a header area is different from the height of a land portion. dence Adémas Construction and the sughtful machean & Seas, Fllc 2100 Pennsylvania avenue, n.w. washington, DC 20037-3213 (US) Title - TIX (1): Rewritable optical disk for use with compu (21) Appl. No.: 09/777.686 height is different from that of land (22) Piled: Feb. 7, 2001 Foreign Application Priority Data (30) Feb. 8, 2000 Mar. 3, 2000 Mar. 31, 2000 8888 JP 2000-035655 JP 2000-063375 JP 2000-101309 Standard Title Terms - TTX (1): REWRITING OPTICAL DISC COMPUTER HEADER SEC JP 2000-174217 13 FLYING OPTICAL HEAD 12 LAND 14 FLYING HEIGHT H CENTERLINE (8) 11 GROOVE (2) 10 10 20 1 A CARCHES INVESTED BOOK DESIGNATION OF THE RESIDENCE OF THE PROPERTY OF THE PR